

TASK: P760789



WK PKG: PR ET-093-TS-0015  
ENG GRP: ETM  
TSK LDR:

FLOC: VAB  
MLOC: ET-93  
STS/FLT: 107 /001

TITLE: 3 CHIPPED AREAS ON FWD EDGE OF FAIRING.(AREAS IDENTIFIED)

OPERATIONS LIST

NUMBER	TITLE	OperationBarCode	DEPT/SHOP
10	3 CHIPPED AREAS ON FWD EDGE OF FAIRING (AREAS IDENTIFIED)		
20	3 CHIPPED AREAS ON FWD EDGE OF FAIRING (AREAS IDENTIFIED)		53700 SCH

KSC FORM 2-152 (REV. 6/01)

**ORIGINAL**



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Approval Record

3 CHIPPED AREAS ON FWD EDGE OF FAIRING.(AREAS IDENTIFIED)

Technical Contact: W. Richards Phone: 1-3420

Category II TOP Only

This Approval Record is for all Operation No(s) listed below:

Initial Released Operations: 10

Added Operations: \_\_\_\_\_

Deleted Operations: \_\_\_\_\_

Replaced Operations: \_\_\_\_\_

Change Index Added <sup>WC</sup><sub>091</sub><sub>US4</sub> 12-3-02

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Check Family Type: In Family ☒ Out of Family ☐ NMA ☐

Organization	Name (Printed)	Name (Signature)	Date
ETM	<i>W Richards</i>	<i>W Richards</i>	<i>12-02-02</i>
SE Check	<i>Tom Ford</i>	<i>Tom Ford</i>	<i>12-3-02</i>

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## Approval Record

**3 CHIPPED AREAS ON FWD EDGE OF  
FAIRING.(AREAS IDENTIFIED)**Technical Contact: W. Richards Phone: 1-3420

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This Approval Record is for all Operation No(s) listed below:

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Comments: \_\_\_\_\_

Check Family Type: In Family ☒ Out of Family ☐ NMA ☐

Organization	Name (Printed)	Name (Signature)	Date
ETM	W Richards	[Signature]	12-3-02
SE Check	JOHN BWE	[Signature]	12-3-02

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## 1.0 INFORMATION

### 1.3 Operations List

Operation		Shop/ Cntl Rm Console	OPR	Haz (Y/N)	Duration (Hrs)
No.	Title				
10	Trouble shoot	ET/ N/A	ETM	N	1.0
20	Summary/ Closure	ET/ NONE	ETM	N	1.0

## 2.0 SAFETY INFORMATION

### 2.4 Reference Safety Documentation

Number	Rev	Title
KHB 1710.2	LI	KSC Safety Practices Handbook
GSOP 5400	LI	Ground Safety Operating Procedure

## 3.0 STAGING REQUIREMENTS

## 4.0 PLANNING REQUIREMENTS

OIR Required Yes [ ], No [ X ]

Predecessors:

None

Successors:

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None  
Configuration Required:  
None

## 5.0 CONFIGURATION ACCOUNTING AND VERIFICATION

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## OPERATION 10 Trouble shoot

Shop: ET

Cntrl Rm Console: N/A


OPR: ETM

Zone: N/A

Hazard (Y/N): N


Duration (Hrs): 1.0

10-1 Verify no loose foam in the PD 1.0 areas or PD 2.0 area.

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10-2 Measure the PD 1.0 and PD 2.0 defects

Table 10-1			
Area	Length	Width	Depth
PD 1 1	.375	.250	.250
PD 1 2	.500	.281	.375
PD 1 3	.750	.250	.218
PD 2	.500	.281	.218

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- 10-3 Measure the TPS (foam and SLA combined) thickness using a six inch scale along the edge of the fairing as close as possible to the PD 1.0 area.

Table 10-2	
Area	Thickness
PD 1 1	2.125
PD 1 2	2.250
PD 1 3	2.000
PD 2	2.250

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10-4

Obtain remaining thickness by subtracting the depth of the defect from the thickness.

Table 10-3			
Area	Thickness	- Depth	= Remaining
PD 1 1	2.125	.250	= 1.875
PD 1 2	2.250	.375	= 1.875
PD 1 3	2.000	.218	= 1.782
PD 2	2.250	.218	= 2.032

(Should be greater than 1.60 inches)

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\*\*\* End of Operation 10 \*\*\*

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SRB-001

## **OPERATION 20 Summary/ Closure**

Shop: **ET**

Cntrl Rm Console: **NONE**

OPR: **ETM**

Zone: **None**

Hazard (Y/N): **N**

Duration (Hrs): **1.0**

### **Summary/ Conclusion**

Reference PD items 1.0 and 2.0, during a visual inspection there were 4 total corner chips on the ET SRB Aft Fairing. These areas were measured and determined not to extend below minimum drawing thickness. These areas were acceptable as is.

No rework required.

No RC action is requested or required.

Cause: contact with the TPS by persons most likely during the processing of the fairing and associated close-outs. This is workmanship.

**\*\*\* End of Summary/ Conclusion \*\*\***

20-1            Close this PR.

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**\*\*\* End of Operation 20 \*\*\***